ABSTRACT

A thermal-responsive liquid crystal display having a polymer dispersed liquid crystal layer formed to have excellent response speed, good display characteristics, uniform thickness distribution, high thickness, high contrast and excellent resistance to thermal cycle. A polymer dispersed liquid crystal layer formed of a composition of a polymer and a liquid crystal is provided on a heating unit. The polymer is a thermoplastic resin, and the glass transition temperature (T_g) of the resin and the phase transition temperature (T_{NI}) of the liquid crystal satisfy the condition of $-20 \leq (T_g - T_{NI}) \leq 20$ (°C). The polymer dispersed liquid crystal layer is formed by laminating a plurality of polymer dispersed liquid crystal films.